

## Fullagar, Jill

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**From:** URBANOWICZ Karla <URBANOWICZ.Karla@deq.state.or.us>  
**Sent:** Tuesday, March 25, 2014 5:06 PM  
**To:** Fullagar, Jill  
**Subject:** FW: West Coast Ocean Acidification and Hypoxia Science Panel  
**Attachments:** West Coast OAH Science Panel- Summary of Oregon agency input to date

FYI update from Ocean Acidification Science Panel.

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**From:** PETTIT Greg  
**Sent:** Tuesday, March 25, 2014 4:54 PM  
**To:** PETTIT Greg; URBANOWICZ Karla; WIGAL Jennifer; HICKMAN Jane; STURDEVANT Debra  
**Subject:** RE: West Coast Ocean Acidification and Hypoxia Science Panel

Attached is a summary of Oregon agency responses to questions asked by the OA Science Panel.

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**From:** PETTIT Greg  
**Sent:** Tuesday, March 04, 2014 10:14 AM  
**To:** URBANOWICZ Karla; WIGAL Jennifer; HICKMAN Jane; STURDEVANT Debra  
**Subject:** RE: West Coast Ocean Acidification and Hypoxia Science Panel

Hello All,

Since I hadn't heard anything from the OA Science Panel for some time I contacted Lisa Gaines, Director of OSU INR and we spoke this morning. She updated me on the activities the Panel was working on. Attached is a meeting summary from a meeting they held November 25-26 at Stanford. They have broke into a number of workgroups and are focusing on the questions that were sent out to a various agencies, including us, last October. The work groups are:

- Hypoxia Impacts (met 2-5 and scheduled to meet again in April)
- Ecosystem and Food Web Impacts
- Ocean and Coastal Dynamics
- Freshwater Processes
- Variability

Lisa said they hope to produce products in 6-9 months. The attachment contains more details on their products, timeline, process, etc..

There will be additional work groups later who will be working on a number of additional issues including communication and issues relevant to decision makers and WQ managers.

One of the panels primary objectives is to understand the science decision makers need. Lisa was very interested in what the Panel can do that would be helpful for us, and I explained the difficulty and ineffectiveness of applying the CWA, 303d, TMDL, process to an issue as complex and global as OA. I told her it would be useful for the panel to address what if any regulatory mechanisms could be used that would produce meaningful environmental benefits. Understanding potential impacts from local sources are part of that question. I explained to her that under the TMDL process sometimes regulated dischargers can bear a heavy burden even though they may be an insignificant contributor to the overall problem. Lisa told me she should be able to get more information on the survey and the questions they are working on in about a week. I will share those with you when I get them. She sounded like she was very open to receiving any feedback we may want to provide.

Greg

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**From:** URBANOWICZ Karla  
**Sent:** Friday, February 28, 2014 4:54 PM  
**To:** WIGAL Jennifer; HICKMAN Jane; STURDEVANT Debra  
**Cc:** PETTIT Greg  
**Subject:** West Coast Ocean Acidification and Hypoxia Science Panel

FYI – to keep links in one email:

**Governor Kitzhaber announces West Coast Ocean Acidification and Hypoxia science panel (2013)**  
[http://www.oregon.gov/gov/media\\_room/Pages/press\\_releases/press\\_082813.aspx](http://www.oregon.gov/gov/media_room/Pages/press_releases/press_082813.aspx)

[Full Memorandum of Understanding and list of participating scientists](#)

**The West Coast Ocean Acidification and Hypoxia Science Panel (OAH)**  
<http://oregonstate.edu/inr/oah>

Also, another group:

West Coast Governors Alliance (WCGA) on Ocean Health (created 2006)  
<http://www.westcoastoceans.org/>

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